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Certificate of Chemical Analysis

CUSTOMER Nature Zone PO BOX 10 Lions River 3260	REPORT NUMBER 09269 CONTACT PERSON Peter Foulis TELEPHONE (033) 234 4984 Fax (033) 234 4994
CSIR REFERENCE: 09269 DATE RECEIVED: 07/12/2009 DATE COMPLETED: 17/12/2009 SAMPLE DESCRIPTION: WATER ORDER NUMBER: CASH	
DETERMINAND	UNITS 1 (Mineral Water)
pH @ 24 °C	8.09
Conductivity @ 22.2°C	mS/m 16.6
Total Alkalinity	mg/L 72.5
Total Dissolved Solids	mg/L 152
Fluoride (dissolved)	mg F/L 0.340
Iron (Total dissolved)	mg Fe/L 0.018
Manganese (Total dissolved)	mg Mn/L <0.007
Calcium (Total dissolved)	mg Ca/L 15.3
Magnesium (Total dissolved)	mg Mg/L 7.38
Potassium (Total dissolved)	mg K/L 1.39
Sodium (Total dissolved)	mg Na/L 7.07
Faecal coliform	Count/100ml 2
E.Coli	Count/100ml 2
Total coliforms	Count/100ml 2
NAME: Gary Parsons TITLE : Chemistry Signatory NAME: Fathima Bux TITLE: Microbiology Signatory	SIGNATURE: <i>G. Parsons.</i> DATE: 18/12/2009 SIGNATURE: <i>F. Bux</i> DATE: 18/12/2009

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Method details

Parameter	Method	Method No.
pH	pH electrode	MM-FW001
Conductivity	Potentiometry	MM-FW006
Total Alkalinity	Turbidimetric analysis	MM-FW002
Total dissolved solids	Drying of sample at 180°C	MM-FW003
Fluoride	Ion specific electrode determination	MM-FW012
Total dissolved metals	Filtration, acidification and analysis by ICP-OES	MM-FW035
Faecal coliforms and E.coli	Filtration using a 0.45 µm membrane filter, incubation on media and, if necessary, confirmation of E.coli.	MM-MIC003
Total coliforms	Filtration using a 0.45 µm membrane filter, incubation on media	MM-MIC002